



COUNTY OF LOS ANGELES

DEPARTMENT OF PUBLIC WORKS

"To Enrich Lives Through Effective and Caring Service"

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GAIL FARBER, Director

ADDRESS ALL CORRESPONDENCE TO:
P.O. BOX 1460
ALHAMBRA, CALIFORNIA 91802-1460

September 06, 2011

ADOPTED

BOARD OF SUPERVISORS
COUNTY OF LOS ANGELES

The Honorable Board of Supervisors
County of Los Angeles
383 Kenneth Hahn Hall of Administration
500 West Temple Street
Los Angeles, California 90012

41 September 6, 2011

Sachi A. Hamai
SACHI A. HAMAI
EXECUTIVE OFFICER

Dear Supervisors:

**CHANGES IN WORK FOR A PUBLIC WORKS CONTRACT
INTERSTATE 5/HASLEY CANYON ROAD INTERCHANGE IMPROVEMENTS
IN THE UNINCORPORATED COMMUNITY OF CASTAIC
(SUPERVISORIAL DISTRICT 5)
(3 VOTES)**

SUBJECT

This action is to approve changes in work and the increased contract amount for a public works construction contract for Interstate 5/Hasley Canyon Road Interchange Improvements in the unincorporated community of Castaic.

IT IS RECOMMENDED THAT YOUR BOARD:

Find that the requested changes in work associated with variations in bid quantities, unforeseen items of work, and extra work, which increases the contract amount by \$1,130,766.57, will have no significant effect on the environment and approve the changes and increased amount for Project ID No. RDC0014704, Interstate 5 /Hasley Canyon Road Interchange Improvements, in the unincorporated community of Castaic, being performed by Security Paving Company, Inc.

PURPOSE/JUSTIFICATION OF RECOMMENDED ACTION

The purpose of the recommended action is to obtain approval of the project from your Board for the changes in this public works contract in support of the timely completion of the project while avoiding delays and the potential for claims. The descriptions of the changes, estimated costs, and the necessary time extensions are listed in the enclosure.

The Director of Public Works (Director) or her designee has been authorized by your Board to order changes in work up to \$10,000 for construction contracts. Enclosed for your Board's approval are changes in work in excess of the Director's delegated limit, which are required to complete this project.

Implementation of Strategic Plan Goals

The Countywide Strategic Plan directs the provisions of Operational Effectiveness (Goal 1) and Community and Municipal Services (Goal 3). Approval of these changes will provide improved infrastructure to better serve the public and enhance the quality of life in the affected community.

FISCAL IMPACT/FINANCING

These changes in work will have no impact to the County General Fund.

The estimated change order amount for this contract is \$1,130,766.57.

Funding for these changes in work is included in Fifth Supervisorial District's Road Construction Program in the Fiscal Year 2011–12 Road Fund Budget. A detailed cost breakdown for the changes, together with a contract cost summary, is included in the enclosure.

If these changes in work are not approved, contract completion will be delayed and increased costs incurred.

FACTS AND PROVISIONS/LEGAL REQUIREMENTS

The contract for the construction of this public works improvement was awarded by the Director on May 3, 2007, to an apparent responsible contractor with the lowest responsive bid in accordance with State Public Contract Code, your Board's directives, and as recommended by the Director or her designee.

ENVIRONMENTAL DOCUMENTATION

These changes in work as described above and in the enclosure do not change any conditions which resulted in the original environmental findings.

CONTRACTING PROCESS

The contract provides that the contractor be compensated for the work resulting from changes to the original plans and specifications or changed conditions encountered during the course of construction. The costs are based on contract unit prices, time and materials, or negotiated under the provisions of the contract specifications. The methods for arriving at the costs of the changes are included in the enclosure.

IMPACT ON CURRENT SERVICES (OR PROJECTS)

Approval of the requested changes by your Board will ensure the timely completion of work under the contract and result in complete and usable facilities.

The Honorable Board of Supervisors

9/6/2011

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CONCLUSION

Please return one adopted copy of this letter to the Department of Public Works, Construction Division.

Respectfully submitted,

A handwritten signature in cursive script that reads "Gail Farber".

GAIL FARBER

Director

GF:JTS:lg

Enclosures

c: Chief Executive Office (Rita Robinson)
County Counsel
Department of Human Resources
Executive Office

CHANGES IN WORK (APPROVE)

September 6, 2011

PROJECT ID NO. RDC0014704 - Interstate 5/Hasley Canyon Road Interchange (in the unincorporated community of Castaic), Supervisorial District 5, Contractor: Security Paving Company, Inc.

Project Description:

Reconstruction of a freeway interchange including drainage structures, retaining walls, bridges, on- and off-ramps, and roundabouts; relocation of a waterline; and the performance of other appurtenant work.

Changes in Work:

(1) Variations in bid quantities	\$142,264.60
(2) Remove existing piles	4,000.00
(3) Repair existing asphalt concrete pavement	24,421.41
(4) Install chainlink fence adjacent to County jail	68,003.55
(5) Construct footing and pad for traffic monitoring cabinet	17,176.42
(6) Revise approach slabs at Castaic Creek Bridge	6,000.00
(7) Construct a new drainage system	34,500.00
(8) Remove buried materials	25,000.00
(9) Abandon and remove existing oil line	7,000.00
(10) Construct temporary traffic lane	1,000.00
(11) Pay Southern California Edison fee	5,606.46
(12) Construct Stage 4 detour	55,474.07
(13) Install temporary traffic signals	9,891.44
(14) Install additional conduits, pull boxes, and conductors	2,700.00
(15) Remove and replace existing drain	2,500.00
(16) Provide additional permanent traffic signs	14,303.50
(17) Install 6-foot-high chainlink fence on Castaic Creek Bridge	32,125.82
(18) Perform street lighting and traffic signal electrical work	18,912.94
(19) Install external battery system for signal cabinet	9,000.00
(20) Install additional ramp metering signal heads	4,100.00
(21) Replace concrete pavement	25,540.00
(22) Repair temporary traffic signal	4,329.10
(23) Provide additional backfill material and structural support	3,717.26
(24) Install additional asphalt concrete pavement at Castaic Creek Bridge	6,000.00

(25) Repair weigh-in-motion systems	573,000.00
(26) Install additional permanent traffic signs and markings	<u>34,200.00</u>

Total	<u>\$1,130,766.57</u>
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Description of Changes:

(1) The original contract amount is based upon estimated quantities of the various bid items. The contractor is paid based upon actual quantities used. The increase in contract price reflects the net adjustment due to variations between estimated bid quantities and actual quantities.

(2) Your Board previously approved changes in work to remove the interfering portion of existing piles at the Castaic Creek Bridge abutment. The cost of this work will exceed the original estimate by the amount shown.

(3) It was necessary to repair the existing damaged concrete paving in the area of the Hasley Canyon northbound off ramp. The work will include removal of existing asphalt concrete pavement, grading, and placement of new pavement.

(4) It was necessary to install a permanent 8-foot high chainlink fence along the east side of the project, adjacent to the Los Angeles County jail. The existing chainlink fence was removed to accommodate construction of the project and a temporary fence was installed.

(5) Due to the limited space, it will be necessary to construct a revised foundation footing and concrete pad for the ramp metering and controller cabinet on the Hasley Canyon Road southbound on ramp.

(6) It is necessary to construct revised new approach slabs and concrete back walls on Interstate 5 freeway at Castaic Creek Bridge. This work is not shown on the plans.

(7) During the installation of metal beam guardrailing along the east side of The Old Road, the contractor encountered a interfering drainage system. The contractor is to abandon the interfering portion of the system and construct a new drainage system at a different location along The Old Road to avoid further conflict. Also, it will be necessary for the contractor to relocate electrical loop conduits prior to installation of the metal beam guardrailing and wood posts. This work is not shown on the plans.

(8) Your Board previously approved a change in work to remove the interfering portion of buried materials not shown on the plans. The cost of this work will exceed the original estimate by the amount shown.

(9) Your Board previously approved a change in work to abandon and remove the

interfering portion of an existing oil line. The cost of this work will exceed the original estimate by the amount shown.

(10) Your Board previously approved a change in work to construct a temporary left-turn lane on The Old Road onto Sedona Way to minimize traffic disruptions. The cost of this work will exceed the original estimate by the amount shown.

(11) Your Board previously approved a change in work to reimburse the contractor for the Southern California Edison monthly fee for the street lighting and ramp metering electrical service. The cost of this service will exceed the original estimate by the amount shown.

(12) Your Board previously approved changes in work to perform additional excavation, grading and placing additional asphalt concrete pavement at the Hasley Canyon Road northbound off-ramp in order to install the Stage 4 construction detour. The cost of this work will exceed the original estimate by the amount shown.

(13) Your Board previously approved a change in work to install temporary traffic signals during construction at the intersection of Hasley Canyon Road and The Old Road. The cost of this work will exceed the original estimate by the amount shown.

(14) Your Board previously approved changes in work to install additional conduit, wire, and pull boxes along The Old Road and Interstate 5 southbound onramp to supply power to four street lights. The cost of this work will exceed the original estimate by the amount shown.

(15) Your Board previously approved a change in work to remove interfering portions of an existing drain in the center median of Interstate 5. The cost of this work will exceed the original estimate by the amount shown.

(16) To provide further awareness for motorists, it will be necessary to install additional permanent traffic signs throughout the project. Several of the existing signs will be relocated for improved visibility. This work is not shown on the plans.

(17) As required by Caltrans, it was necessary to install 6-foot-high chainlink fencing along the top of the Castaic Creek bridge adjacent to The Old Road and install metal beam guardrail with wood posts at the Interstate 5 Hasley Canyon Road southbound on ramp. This work is not shown on the plans.

(18) It is necessary to perform additional miscellaneous electrical work in order to provide service to the streets lights and signals during the various stages of construction.

(19) It was necessary to remove the internal battery backup system and replace it with an external battery backup system for the traffic signal cabinet at Sedona Way and The Old Road. This work is not shown on the plans.

(20) It was necessary for the contractor to provide and install four additional ramp metering signal heads at the Interstate 5 southbound on ramps at Hasley Canyon Road. This work is not shown on the plans.

(21) A portion of the concrete approach slabs at the Castaic Creek Bridge had to be performed by the contractor at night. The work involved removal of the existing approach slabs, placement of epoxy coated reinforcing steel, use of high-strength rapid set concrete, and installation of a traffic control system. This work is not shown on the plans.

(22) It was necessary to repair the temporary traffic signal at the northwest corner of The Old Road and Sedona Way.

(23) Your Board previously approved a change in work to provide additional structural support in the area between the drainage system and geo foam on the west side of Hasley Canyon Road. The cost of this work will exceed the original estimate by the amount shown.

(24) To prevent erosion at the new approach slabs in the center median of Interstate 5 at Castaic Creek Bridge, it was necessary to grade the area and place asphalt concrete pavement between the approach slabs and the bridge abutments. This work is not shown on the plans.

(25) Caltrans has demanded that is necessary to repair the weigh-in-motion systems on the Interstate 5 freeway near the Hasley Canyon Road on- and off-ramps. This work includes installation of new cabinet systems and conduits. Portions of the existing weigh-in-motions systems were removed to accommodate construction.

(26) To provide additional awareness for the motorists, it is necessary for the contractor to provide and install additional permanent traffic signs and pavement markings.

The cost for Item 1 and a portion of the costs for Items 4 and 21 will be based on contract unit prices. The costs for Items 2, 3, 5, and 8-19 and 22-25 will be based on time and materials as provided in Subsection 3-3 of the contract specifications. The balance of the costs for Items 4 and 21 and the costs for Items 6, 7, 20, and 26 were negotiated as provided in Subsection 3-2 of the special provisions.

No additional working days will be required because of these changes.

Financial Information:

Funding for these changes in work is included in the Fifth Supervisorial District's Road Construction Program in the Fiscal Year 2011-12 Road Fund Budget with reimbursement from Castaic Bridge and Major Thoroughfare Construction Fee District fees, Tesoro del Valle Project Regional Transportation fees, Los Angeles County Metropolitan Transportation Authority's Call for Project Grant funds, Newhall Land and Farming Company, and Caltrans.

Revised Contract Amount:

Original contract amount	\$32,219,937.95
Changes in work previously approved by your Board	2,218,427.32
Changes in work to be approved	<u>1,130,766.57</u>
Revised contract amount	<u>\$35,569,131.84</u>
Percent total change to original contract amount	10%

AD:lg